

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/552,324A  
Source: FWO  
Date Processed by STIC: 3/6/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/552,324A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file  
     Wrapped Aminos        was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will  
                               prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers;  
     Numbering                use space characters, instead.
  
- 4      Non-ASCII              The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please  
                               ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length        Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules,  
                               each n or Xaa can only represent a single residue. Please present the maximum number of each  
                               residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0        A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
     "bug"                    sequences(s)             . Normally, PatentIn would automatically generate this section from the  
                               previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to  
                               the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for  
                               Artificial or Unknown sequences.
  
- 7      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
     (OLD RULES)              (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   (i)        SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                                   (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                                   This sequence is intentionally skipped  
                                   Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
     (NEW RULES)              <210> sequence id number  
                                   <400> sequence id number  
                                   000
  
- 9      Use of n's or Xaa's    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
     (NEW RULES)              Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                                   In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>        Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or  
     Response                scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or  
                                   is Artificial Sequence. (see item 11 below)
  
- 11      Use of <220>        Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use  
                                   of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown."  
                                   Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as  
                                   explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of  
                                   Sequence Rules
  
- 12      PatentIn 2.0        Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
     "bug"                    resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence  
                                   listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa        "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

3 <110> APPLICANT: Igeneon Krebs-Immuntherapie Forschungs- & Entwickl  
 5 <120> TITLE OF INVENTION: Immunogenic Recombinant Antibody  
 7 <130> FILE REFERENCE: Immunogenic Recombinant AB  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/552,324A  
 C--> 10 <141> CURRENT FILING DATE: 2005-10-07  
 12 <160> NUMBER OF SEQ ID NOS: 5  
 14 <170> SOFTWARE: PatentIn Ver. 2.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 3973  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence mAB 17-1A  
 24 <400> SEQUENCE: 1  
 25 ataggctagc ctcgagccac caccatgcat cagaccagca tgggcatcaa gatggaatca 60  
 26 cagactctgg tcttcatatc catactgctc tggttatatg gagctgatgg gaacattgta 120  
 27 atgacccaat ctcccaaadc catgtccatg tcagtaggag agagggtcac cttgacctgc 180  
 W--> 28 aaggccagtg agaatgtggt tactttatggt tontgggtatc aacagaaacc agagcagtct 240  
 29 cctaaactgc tgatatatgg ggcattccaac cggtaactg ggggtccnga tcgcttcaca 300  
 30 ggcagtggat ctgcaacaga ttctactctg accatcagca gtgtgcaggc tgaagacctt 360  
 31 gcagattatc actgtggaca gggttacagc tatccgtaca cgttcggagg ggggaccaag 420  
 32 ctggaaataa aacgggctga tgctgcacca actgtatcca tcttcccacc atccagttag 480  
 33 cagttaacat ctggaggtgc ctgagtcgtg tgcttcttga acaacttcta ccccaaagac 540  
 34 atcaatgtca agtggaagat tgatggcagt gaacgacaaa atggcgctct gaacagttgg 600  
 35 actgatcagg acagcaaaga cagcacctac agcatgagca gcaccctcac gttgaccaag 660  
 36 gacgagtatg aacgacataa cagctatacc tgtgaggcca ctcaacaagac atcaacttca 720  
 37 cccattgtca agagcttcaa caggaatgag tgtagtagcgc gtggatccgc ccctctccct 780  
 38 ccccccccc taacgttact ggccgaagcc gcttggaata aggcgggtgt gcgtttgtct 840  
 39 atatgtgatt ttccaccata ttgccgtctt ttggcaatgt gagggcccgg aaacctggcc 900  
 40 ctgtcttctt gacgagcatt cctaggggtc tttcccctct cgccaaagga atgcaaggtc 960  
 41 tggtgaatgt cgtgaaggaa gcagttcctc tggaagcttc ttgaagacaa acaacgtctg 1020  
 42 tagcgacct ttgcaggcag cggaaccccc cacctggcga caggtgcctc tgcggccaaa 1080  
 43 agccacgtgt ataagataca cctgcaaagg cggcacaacc ccagtgccac gttgtgagtt 1140  
 44 ggatagttgt ggaaagagtc aaatggctct cctcaagcgt attcaacaag gggctgaagg 1200  
 45 atgcccagaa ggtaccccat tgtatgggat ctgatctggg gcctcggtgc acatgcttta 1260  
 46 catgtgttta gtcgagggtta aaaaaacgtc taggcccccc gaaccacggg gacgtggttt 1320  
 47 tcctttgaaa aacacgatga taatatggcc accaccatgg aatggagcag agtctttatc 1380  
 48 tttctcctat cagtaactgc aggtgttcac tcccagggtc agttgcagca gtctggagct 1440  
 49 gagctggtaa ggctgggac ttcagtgaag gtgtcctgca aggtctctgg atacgccttc 1500  
 50 actaattact tgatagagtg ggtaaagcag aggcctggac agggccttga gtggattggg 1560  
 51 gtgattaatc ctggaagtgg tggtaactaac tacaatgaga agttcaaggg caaggcaaca 1620  
 52 ctgactgcag acaaatcctc cagcactgcc tacatgcagc tcagcagcct gacatctgat 1680  
 53 gactctgcgg tctatttctg tgcaagagat ggtccctggt ttgcttactg gggccaaggg 1740

Does Not Comply  
 Corrected Diskette Needed

see pp 1-2, 4-6  
 please give the  
 source of  
 these  
 monoclonal  
 antibodies  
 (see item 11  
 on Euro  
 summary  
 sheet)

## RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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54 actctggtca ctgtctctgc agccaaaaca acagcccccac cggtctatcc actggcccct 1800
55 gtgtgtggag atacaactgg ctccctcggtg actctaggat gcctgggtcaa gggttatttc 1860
56 cctgagccag tgaccttgac ctggaactct ggatccctgt ccagtgggtg gcacaccttc 1920
57 ccagctgtcc tgcagtctga cctctacacc ctccagcagc cagtgactgt aacctcgagc 1980
58 acctggccca gccagtccat cacctgcaat gtggcccacc cggcaagcag caccaagggtg 2040
59 gacaagaaaa ttgagcccag agggcccaca atcaagccct gtcctccatg caaatgccc 2100
60 gcacctaac tcttggtgg accatccgtc ttcattctcc ctccaaagat caaggatgta 2160
61 ctcatgatct ccctgagccc catagtcaca tgtgtggtgg tggatgtgag cgaggatgac 2220
62 ccagatgtcc agatcagctg gtttgtgaac aacgtggaag tacacacagc tcagacacaa 2280
63 acctatagag aggattacaa cagtactctc cgggtggtca gtgccctccc catccagcac 2340
64 caggactgga tgagtggcaa ggagttcaaa tgcaagggtca acaacaaaga cctcccagcg 2400
65 cccatcgaga gaacctctc aaaacccaaa gggtcagtaa gagctccaca ggtatatgtc 2460
66 ttgcctccac cagaagaaga gatgactaag aaacagggtca ctctgacctg catggtcaca 2520
67 gacttcatgc ctgaagacat ttacgtggag tggaccaaca acgggaaaac agagctaaac 2580
68 tacaagaaca ctgaaccagt cctggactct gatggttctt acttcatgta cagcaagctg 2640
69 agagtggaaa agaagaactg ggtggaaaga aatagctact cctgttcagt ggtccacgag 2700
70 ggtctgcaca atcaccacac gactaagagc ttctcccga ctccgggtaa atgagtcgac 2760
71 acgcgtcgag catgcatcta gggcgcccaa ttccgcccct ctccctcccc cccccctaac 2820
72 gttactggcc gaagccgctt ggaataaggc cgggtgtcgt ttgtctatat gtgattttcc 2880
73 acctattgc cgtcttttgg caatgtgagg gcccggaac ctggccctgt cttcttgacg 2940
74 agcattccta ggggtctttc ccctctcgcc aaaggaatgc aaggtctgtt gaatgtcgtg 3000
75 aaggaagcag ttcctctgga agcttcttga agacaaacaa cgtctgtagc gacctttgc 3060
76 aggcagcgga acccccacc tggcgacagg tgccctctgcg gccaaaagcc acgtgtataa 3120
77 gatacacctg caaaggcggc acaaccccag tgccacgttg tgagttggat agttgtggaa 3180
78 agagtcaaat ggctctcctc aagcgtattc aacaaggggc tgaaggatgc ccagaaggta 3240
79 cccattgta tgggatctga tctggggcct cgggtgcacat gctttacatg tgtttagtcg 3300
80 aggttaaaaa aacgtctagg cccccgaac cacggggacg tgggttttct ttgaaaaaca 3360
81 cgatgataag cttgccacaa cccgggatcc tctagaccac catggttcga ccattgaact 3420
82 gcctcgtcgc cgtgtcccaa gatatgggga ttggcaagaa cggagacctt ccctggcctc 3480
83 cgctcaggaa cgagttcaag tacttccaaa gaatgaccac aacctcttca gtggaaggta 3540
84 aacagaatct ggtgattatg ggtaggaaaa cctgggtctc cattcctgag aagaatcgac 3600
85 ctttaaagga cagaattaat atagttctca gtagagaact caaagaacca ccacgaggag 3660
86 ctcattttct tgccaaaagt ttggatgatg ccttaagact tattgaacaa ccggaattgg 3720
87 caagtaaagt agacatggtt tggatagtcg gaggcagttc tgtttaccag gaagccatga 3780
88 atcaaccagg ccacctcaga ctctttgtga caaggatcat gcaggaattt gaaagtgaca 3840
89 cgtttttccc agaaattgat ttggggaaat ataaacttct cccagaatac ccaggcgtcc 3900
90 tctctgaggt ccaggaggaa aaaggcatca agtataagtt tgaagtctac gagaagaaag 3960
91 actaagcggc cgc 3973

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93 &lt;210&gt; SEQ ID NO: 2

94 &lt;211&gt; LENGTH: 465

95 &lt;212&gt; TYPE: PRT

96 &lt;213&gt; ORGANISM: Artificial Sequence

98 &lt;220&gt; FEATURE:

99 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

101 &lt;400&gt; SEQUENCE: 2

102 Met Glu Trp Ser Arg Val Phe Ile Phe Leu Leu Ser Val Thr Ala Gly

103 1 5 10 15

105 Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg

106 20 25 30

## RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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108 Pro Gly Thr Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe
109           35                     40                     45
111 Thr Asn Tyr Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
112           50                     55                     60
114 Glu Trp Ile Gly Val Ile Asn Pro Gly Ser Gly Gly Thr Asn Tyr Asn
115 65           70                     75                     80
117 Glu Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
118           85                     90                     95
120 Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val
121           100                    105                    110
123 Tyr Phe Cys Ala Arg Asp Gly Pro Trp Phe Ala Tyr Trp Gly Gln Gly
124           115                    120                    125
126 Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr Ala Pro Ser Val Tyr
127           130                    135                    140
129 Pro Leu Ala Pro Val Cys Gly Asp Thr Thr Gly Ser Ser Val Thr Leu
130 145           150                    155                    160
132 Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Leu Thr Trp
133           165                    170                    175
135 Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu
136           180                    185                    190
138 Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Thr Ser Ser
139           195                    200                    205
141 Thr Trp Pro Ser Gln Ser Ile Thr Cys Asn Val Ala His Pro Ala Ser
142           210                    215                    220
144 Ser Thr Lys Val Asp Lys Lys Ile Glu Pro Arg Gly Pro Thr Ile Lys
145 225           230                    235                    240
147 Pro Cys Pro Pro Cys Lys Cys Pro Ala Pro Asn Leu Leu Gly Gly Pro
148           245                    250                    255
150 Ser Val Phe Ile Phe Pro Pro Lys Ile Lys Asp Val Leu Met Ile Ser
151           260                    265                    270
153 Leu Ser Pro Ile Val Thr Cys Val Val Val Asp Val Ser Glu Asp Asp
154           275                    280                    285
156 Pro Asp Val Gln Ile Ser Trp Phe Val Asn Asn Val Glu Val His Thr
157           290                    295                    300
159 Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn Ser Thr Leu Arg Val
160 305           310                    315                    320
162 Val Ser Ala Leu Pro Ile Gln His Gln Asp Trp Met Ser Gly Lys Glu
163           325                    330                    335
165 Phe Lys Cys Lys Val Asn Asn Lys Asp Leu Pro Ala Pro Ile Glu Arg
166           340                    345                    350
168 Thr Ile Ser Lys Pro Lys Gly Ser Val Arg Ala Pro Gln Val Tyr Val
169           355                    360                    365
171 Leu Pro Pro Pro Glu Glu Glu Met Thr Lys Lys Gln Val Thr Leu Thr
172           370                    375                    380
174 Cys Met Val Thr Asp Phe Met Pro Glu Asp Ile Tyr Val Glu Trp Thr
175 385           390                    395                    400
177 Asn Asn Gly Lys Thr Glu Leu Asn Tyr Lys Asn Thr Glu Pro Val Leu
178           405                    410                    415
180 Asp Ser Asp Gly Ser Tyr Phe Met Tyr Ser Lys Leu Arg Val Glu Lys

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## RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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181          420          425          430
183 Lys Asn Trp Val Glu Arg Asn Ser Tyr Ser Cys Ser Val Val His Glu
184          435          440          445
186 Gly Leu His Asn His His Thr Thr Lys Ser Phe Ser Arg Thr Pro Gly
187          450          455          460
189 Lys
190 465
193 <210> SEQ ID NO: 3
194 <211> LENGTH: 243
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A
201 <400> SEQUENCE: 3
202 Met His Gln Thr Ser Met Gly Ile Lys Met Glu Ser Gln Thr Leu Val
203   1      5      10      15
205 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val
206          20      25      30
208 Met Thr Gln Ser Pro Lys Ser Met Ser Met Ser Val Gly Glu Arg Val
209          35      40      45
211 Thr Leu Thr Cys Lys Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp
212          50      55      60
214 Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala
215   65      70      75      80
217 Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
218          85      90      95
220 Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Leu
221          100      105      110
223 Ala Asp Tyr His Cys Gly Gln Gly Tyr Ser Tyr Pro Tyr Thr Phe Gly
224          115      120      125
226 Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val
227          130      135      140
229 Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly Gly Ala Ser
230 145      150      155      160
232 Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile Asn Val Lys
233          165      170      175
235 Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu Asn Ser Trp
236          180      185      190
238 Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser Ser Thr Leu
239          195      200      205
241 Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr Thr Cys Glu
242          210      215      220
244 Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser Phe Asn Arg
245 225      230      235      240
247 Asn Glu Cys
251 <210> SEQ ID NO: 4
252 <211> LENGTH: 243
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

256 &lt;220&gt; FEATURE:

257 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

259 &lt;400&gt; SEQUENCE: 4

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260 Met His Gln Thr Ser Met Gly Ile Lys Met Glu Ser Gln Thr Leu Val
261   1           5           10           15
263 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val
264           20           25           30
266 Met Thr Gln Ser Pro Lys Ser Met Ser Met Ser Val Gly Glu Arg Val
267           35           40           45
269 Thr Leu Thr Cys Lys Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp
270           50           55           60
272 Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala
273   65           70           75           80
275 Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
276           85           90           95
278 Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Leu
279           100          105          110
281 Ala Asp Tyr His Cys Gly Gln Gly Tyr Ser Tyr Pro Tyr Thr Phe Gly
282           115          120          125
284 Gly Gly Thr Lys Leu Glu Ile Arg Arg Ala Asp Ala Ala Pro Thr Val
285           130          135          140
287 Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly Gly Ala Ser
288  145          150          155          160
290 Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile Asn Val Lys
291           165          170          175
293 Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu Asn Ser Trp
294           180          185          190
296 Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser Ser Thr Leu
297           195          200          205
299 Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr Thr Cys Glu
300           210          215          220
302 Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser Phe Asn Arg
303  225          230          235          240
305 Asn Glu Cys

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309 &lt;210&gt; SEQ ID NO: 5

310 &lt;211&gt; LENGTH: 243

311 &lt;212&gt; TYPE: PRT

312 &lt;213&gt; ORGANISM: Artificial Sequence

314 &lt;220&gt; FEATURE:

315 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

317 &lt;400&gt; SEQUENCE: 5

```

318 Met His Gln Thr Ser Met Gly Ile Arg Met Glu Ser Gln Thr Leu Val
319   1           5           10           15
321 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val
322           20           25           30
324 Met Thr Gln Ser Pro Arg Ser Met Ser Met Ser Val Gly Glu Arg Val
325           35           40           45
327 Thr Leu Thr Cys Arg Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp
328           50           55           60

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/552,324A

DATE: 03/06/2007  
TIME: 11:16:33

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt  
Output Set: N:\CRF4\03062007\J552324A.raw

*no explanation*

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 213,288

Invalid Line Length:

*FyI*  
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 368,369,370,371,372,373,374,375,376,377,378,379,380,381,382

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/552,324A

DATE: 03/06/2007

TIME: 11:16:33

Input Set : N:\efs\03\_06\_07\10552324A\_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:28 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1  
L:28 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1  
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180  
M:341 Repeated in SeqNo=1